

Recombinant Human AMOT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AMOT-1871H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AMOT MS Standard C13 and N15-labeled recombinant protein (NP_573572) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene belongs to the motin family of angiostatin binding proteins characterized by conserved coiled-coil domains and C-terminal PDZ binding motifs. The encoded protein is expressed predominantly in endothelial cells of capillaries as well as larger vessels of the placenta where it may mediate the inhibitory effect of angiostatin on tube formation and the migration of endothelial cells toward growth factors during the formation of new blood vessels. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	72.6 kDa
AA Sequence	MPRAQPSSASYQPVPADPFAIVSRAQQMVEILSDENRNLRQELEGCYEKVARLQKV ETEIQRVSEAYENLVKSSSKREALEKAMRNKLEGEIRRMHDFNRDLRERLETANKQL AEKEYEGSEDTRKTISQLFAKNKESQREKEKLEAELATARSTNEDQRRHIEIRDQALS NAQAKVVKLEELKKKQVYVDKVEKMQQALVQLQAACEKREQLEHRLRTRLERELE SLRIQQRQGNCQPTNVSEYNAAALMELLREKEERILALEADMTKWEQKYLEENVMR HFALDAAATVAAQRDTTVISHSPNTSYDTALEARIQKEEEEILMANKRCLDMEGRIKT

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LHAQIIIEKDAMIKVLQQRSRKEPSKTEQLSCMRPAKSLMSISNAGSGLLSHSSTLTGS
 PIMEEKRDDKSWKGSLGILLGGDYRAEYVPSTPSPVPPSTPLLSAHSKTGSRDCST
 QTERGTESNKTA AVAPISVPAPVAAAATAAAITATAATITTTMVAAAPVAVAAAAAPA
 AAAAPSPATAAAATAAAVSPAAAGQIPAAASVASAAAVAPSAAAAAAVQVAPAAPAPV
 PAPALVPVPAPAAAQASAPAQTQAPTSAPAVAPTPTPTPTPAVAQAEVPPASPATG
 PGPRLSIPSLTCNPDKTDGPVFHSNTLERKTPIQILGQEPDAEMVEYLITRTRPLEQ
 KLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [AMOT angiominotin \[Homo sapiens \(human\) \]](#)

Official Symbol [AMOT](#)

Synonyms AMOT; angiominotin; KIAA1071; angiominotin p80 isoform; angiominotin p130 isoform;

Gene ID [154796](#)

mRNA Refseq [NM_133265](#)

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Protein Refseq	NP_573572
MIM	300410
UniProt ID	Q4VCS5

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